

John Watt with Vernice stated that the objective horizon was the
Coconino formation.

FILE NOTATIONS

Entered in NID File ☒

Entered On S R Sheet ☐

Location Map Pinned ☒

Card Indexed ☒

IWR for State or Fee Land ☐

Checked by Chief *PMB*

Copy NID to Field Office ☒

Approval Letter ☒

Disapproval Letter ☐

COMPLETION DATA:

Date Well Completed *9-1-64*

OW _____ WW _____ TA _____

GW _____ OS _____ PA ☒

Location Inspected _____

Bond released _____

State of Fee Land _____

LOGS FILED

Driller's Log *9-11-64*

Electric Logs (No.) *6*

E _____ I _____

EI _____

GR _____

GR-N *(dup)*

Micro _____

Lat _____

Mi-L _____

Sonic ☒

Others *(dup)*

Sub-report of Blankman

Dual Evaluation Apterolog (dup)

*JLC
9-7-90*

(SUBMIT IN TRIPLICATE)

Budget Bureau No. 42-R358.4.
Form Approved.

Land Office **Salt Lake City**

Lease No. **U-067270**

Unit _____

X			

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	X	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 24, 19 64

Well No. **1** is located **1143** ft. from **[N]** line and **1159** ft. from **[W]** line of sec. **15**

37 S **2 W** **S.L.M.**
(Twp.) (Range) (Meridian)
Wildcat **Garfield** **Utah**
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface~~ **ground level** above sea level is **6719** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

1. Drill 15" hole to 1500'.
2. Set and cement 1500' 10-3/4" casing with 385' sacks cement.
3. Test casing to 1000# for 30 minutes.
4. Drill with 9-5/8" bit to 5100'.
5. Set 7-5/8" casing with 200 sacks. Test casing to 1000# for 30 minutes.
6. Drill 6-3/4" hole to 6400'. - COCOONING
7. If permeability is encountered, set 5-1/2" liner with 100 sx from 5100' to approximately 6400'.
8. Test and complete.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Tenneco Oil Company**

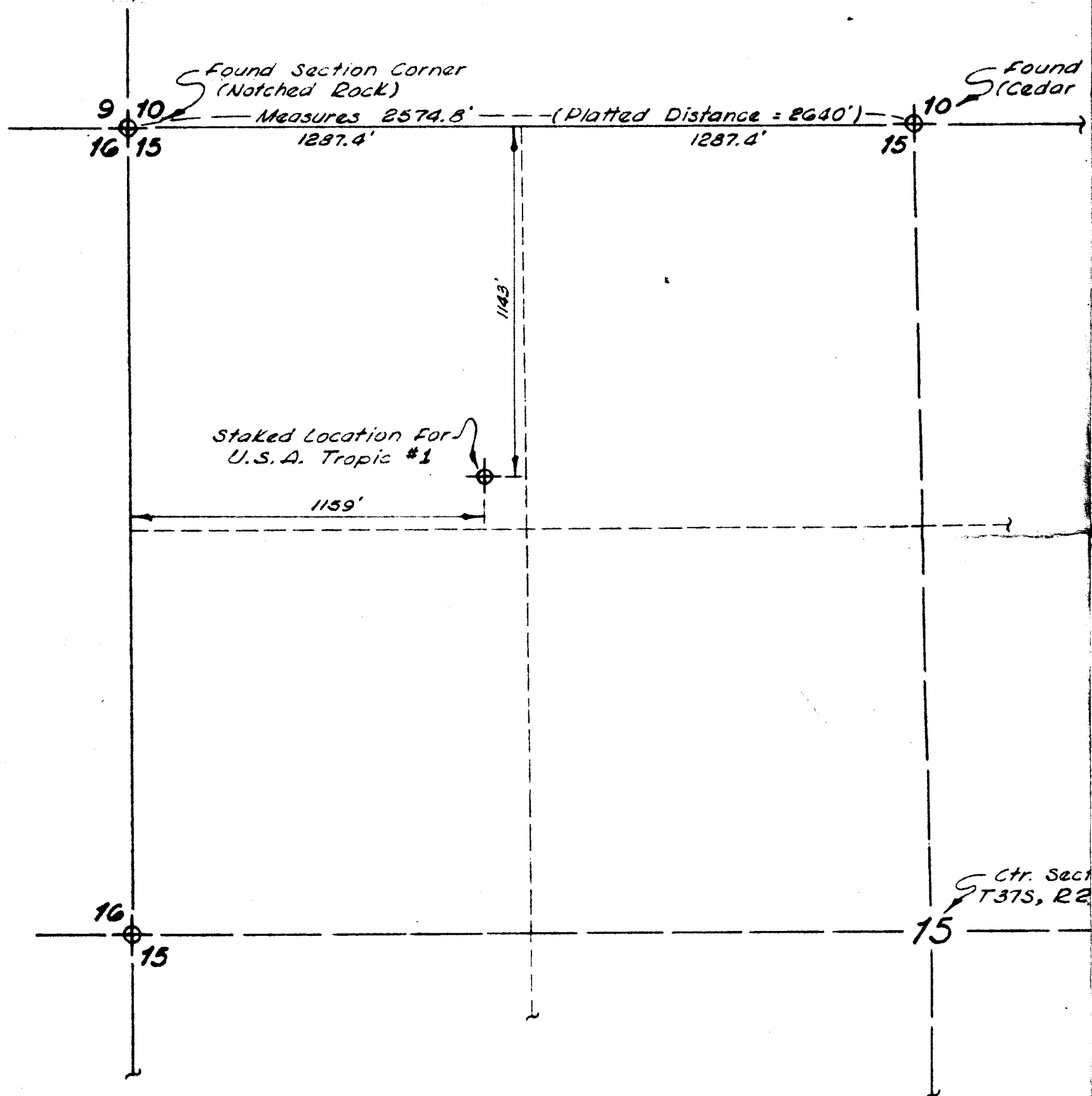
Address **P. O. Box 1714**

Durango, Colorado

By **J. H. Watkins**
Title **District Office Supervisor**

RANGE 2 WEST

TOWNSHIP 37 SOUTH



NOTE: Levels to determine the elevation of the well are nearing completion. Estimated ground elevation before grading is 6720

Quarter Corner
Post Marked "1/4").



1" = 400'

ion 15
W, S.L.B. & M.

CERTIFICATE

STATE OF UTAH }
COUNTY OF SEVIER } ss

I HEREBY CERTIFY THAT THE ACCOMPANYING SKETCH IS A TRUE AND CORRECT PLAT OF A SURVEY MADE UNDER MY DIRECTION FROM JULY 18 TO 28, 1964, FOR TENNEGO OIL COMPANY TO DETERMINE THE LOCATION OF A PROPOSED OIL WELL TO BE KNOWN AS U.S.A. TROPIC #1; SAID LOCATION BEING 1143 FEET SOUTH OF THE NORTH LINE AND 1159 FEET EAST OF THE WEST LINE OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 15, TOWNSHIP 37 SOUTH, RANGE 2 WEST, SALT LAKE BASE & MERIDIAN, IN GARFIELD COUNTY, UTAH. PMB

DATED JULY 29, 1964

Richard C. Hansen
PROFESSIONAL ENGINEER & LAND SURVEYOR
UTAH LICENSE NO. 1138
RICHFIELD, UTAH

July 27, 1964

Tenneco Oil Company
P. O. Box 1714
Durango, Colorado

Attention: Mr. J. H. Watkins, District Office Supervisor

Re: Notice of Intention to Drill Well No.
USA TROPIC #1, 1143' FWL & 1159' FWL,
SE NW NW of Section 15, T. 37 S., R.
2 W., SLEM, Garfield County, Utah.

Gentlemen:

Insofar as this office is concerned, approval to drill said well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission. However, this approval is conditional upon a written statement being furnished this office stating the topographical situation that is in existence, and delineating the ownership around the proposed well site. Also, this approval is conditional upon a surveyor's plat being furnished this office in accordance with Rule C-4(a).

As soon as you have determined that it will be necessary to plug and abandon the above mentioned well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer
Office: DA 8-5771 or DA 8-5772
Home: CR 7-2890 - Salt Lake City, Utah

This approval terminates within 90 days if this well has not been spudded within said period.

Enclosed please find Form OGCC-8-X, which is to be completed if water sands (aquifers) are encountered while drilling, particularly assessable near surface water sands. Your cooperation with respect to completing this form will be greatly appreciated.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLAREN B. FREIGHT
EXECUTIVE DIRECTOR

CBF:kgw

cc: Rodney Smith, Dist. Eng., U. S. Geological Survey, Salt Lake City, Utah
H. L. Coonts, Pet. Eng., Oil & Gas Conservation Commission, Moab, Utah



TENNECO OIL COMPANY • P. O. BOX 1714 • 835 SECOND AVENUE • DURANGO, COLORADO

July 28, 1964

Re: Notice of Intention to Drill
Well No. USA Tropic #1,
1143' FNL & 1159' FWL,
SE NW NW of Sec. 15-T37S-R2W-SLBM
Garfield County, Utah

State of Utah
Oil & Gas Conservation Commission
310 Newhouse Building
Salt Lake City, Utah

Attention: Mr. Cleon B. Feight

Gentlemen:

With reference to your letter dated July 27, 1964 pertaining to the captioned, I am advising that a canyon wall of approximately 100 feet in depth, running in a Northeast-Southwest direction, cuts the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 15 in half, forcing our proposed location out of the center of the quarter-quarter section.

Concerning the ownership around the proposed drill site, Tenneco Oil Company is the present record title holder of Oil and Gas Lease U-067270 issued by the United States of America, effective date being September 1, 1961, covering all of Section 15 and other lands.

Additionally, in accordance with your request, enclosed herewith is a surveyor's plat reflecting the proposed location.

If you have any questions in connection herewith please advise.

Sincerely,

TENNECO OIL COMPANY

A handwritten signature in cursive script, appearing to read "R. E. Winckler".

R. E. Winckler
Landman

REW:mac
encl.



TENNECO OIL COMPANY • P. O. BOX 1714 • 835 SECOND AVENUE • DURANGO, COLORADO

July 31, 1964

C

O

P

Y

U. S. Geological Survey
8416 Federal Building
125 S. State Street
Salt Lake City, Utah

Gentlemen:

Attached are plats of our USA Tropic No. 1 in Garfield County, Utah. Please attach these plats to the Notice of Intention to Drill which was submitted to you on July 27, 1964.

Yours very truly,

TENNECO OIL COMPANY



J. H. Watkins
District Office Supervisor

:bjo

Attach.

cc: Utah Oil & Gas Conservation Commission
Suite 301, 348 East South Temple
Salt Lake City, Utah

147

REC-2 1964



TENNECO OIL COMPANY • P. O. BOX 1714 • 835 SECOND AVENUE • DURANGO, COLORADO 81302

August 24, 1964


Utah Oil & Gas Commission
348 East South Temple
Suite 301
Salt Lake City, Utah

Gentlemen:

It is requested that all information concerning our USA Tropic No. 1, Section 15, T37S, R3W, Garfield County, Utah be held confidential.

Very truly yours,

TENNECO OIL COMPANY


J. H. Watkins
District Office Supervisor

JHW-sp

PLUGGING PROGRAM FORM

Name of Company Lonnaco Verbal Approval Given To: Les Plumb

Well Name: Tropic #1 Sec. T. R. County:

Verbal Approval was given to plug the above mentioned well in the following manner:

- $10\frac{3}{4}$ at 1627 (Calculated) \rightarrow top of Heabul (bottom of Moenkopi)
 $7\frac{5}{8}$ at 5690 - 15055 Calculated top 4790
 Elect Log: Navajo 1805 \rightarrow Wingate top not apparent
 Chinle 4070
 Shinarump 4555
 Moenkopi 4664
 Heabul 5876
 Zavonez 6093
 Orgn Rock 6300
 Cedar Mesa 6640 (Coconino)
- 1) 6600 - 6700 (Cedar Mesa)
 - 2) 6350 - 6450 (Orgn Rock)
 - 3) 6050 - 6150 (Zavonez)
 - 4) 5750 - 5850 (Heabul) (top of ~~Heabul~~ mostly)
 - 5) 4030 - 4130 (~~bottom of~~ top of Chinle & bottom of Wingate)
 - 1750 - 1850 - Navajo (Water)
 - ~~5) C~~ plug at surface

\rightarrow from 5750 to 5690
 is shale (no print)
 No plug will
 be needed at here
 or stat of 75" but I
 suggested they might
 want it

Date Verbally Approved: Aug 29, 64 Signed: Paul M. Beershell

as all the cement
 at Heabul and get
 into Coconino

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT 1. RIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Salt Lake U-067270

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☐ OTHER **WILDCAT**

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 1714, Durango, Colorado4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface**NW/4 Section 15, 1143' FWL 1159' FWL
Section 15, T. 37 S., R. 2 W., S.L.M.**

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6645 GL

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

USA Tropic

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA**Section 15, T. 37 S.,
R. 2 W., S.L.M.**

12. COUNTY OR PARISH

Garfield

13. STATE

Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☒FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

Well spudded 7-29-64, drilled 15" hole to T.D. of 1630'. Ran 50 jts 10-3/4" 40.5# J-55 landed 1609' w/772' cu. ft. 50-50 Pozmix and 126 cu. ft. regular cement. Circulated to surface. Casing tested to 1000# for 30 min, ok. Drilling resumed to TD of 5690'. Ran 177 jts of 7-5/8" 26.40# J-55 to 5690'. Cemented with 150 sx Class C cement. Pressure tested casing and blowout preventor to 1000 psi held ok. Drilling resumed.

18. I hereby certify that the foregoing is true and correct

SIGNED

J. H. WALKER

TITLE

District Office Supervisor

DATE

9-8-64

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRI. DATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Wildcat		5. LEASE DESIGNATION AND SERIAL NO. Salt Lake U-067270	
2. NAME OF OPERATOR Tennessee Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 1714, Durango, Colorado		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW/4 Section 15, 1143 FNL, 1159 FNL T. 37 S., R. 2 W., S.L.M.		8. FARM OR LEASE NAME USA Tropic	
14. PERMIT NO.		9. WELL NO. 1	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6645 GL		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15, T. 37 S., R. 2 W.	
		12. COUNTY OR PARISH Garfield	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well plugged as follows:

Cut and pulled 128 jts of 7-5/8" casing from 4134', cement plugs set as follows:

25 sx cmt plug 6600-6700
25 sx cmt plug 6050-6150
25 sx cmt plug 5750-5850
50 sx cmt plug 4030-4130
50 sx cmt plug 1750-1850
20 sx cmt plug top of surface

Well marker installed and location cleaned.

18. I hereby certify that the foregoing is true and correct

Original Signed By:
SIGNED **J. H. WATKINS**

TITLE **District Office Supervisor** DATE **9-9-64**

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPL. E*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

Salt Lake H-057270

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

USA Tropic

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat11. SEC. T., R., M., OR BLOCK AND SURVEY
OR AREA**NE/4 Section 15,
T. 37 S., R. 2 W.**12. COUNTY OR
PARISH**Garfield**

13. STATE

Utah

14. PERMIT NO. DATE ISSUED

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 1714, Durango, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface **1166 FWL 1142 FWL Sec. 15, T. 37 S., R. 2 W., S.L.M.**

At top prod. interval reported below

At total depth

15. DATE SPUDDED **7-29-64** 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) **9-1-64** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **6645 OL, 6660 KB** 19. ELEV. CASING HEAD **6719** ~~6719~~ **G.L.**20. TOTAL DEPTH, MD & TVD **6831** 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY **0 - TD** ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

All zones tested dry25. WAS DIRECTIONAL
SURVEY MADE**no**

26. TYPE ELECTRIC AND OTHER LOGS RUN

I-ES, GRN, Sonic-Caliper

27. WAS WELL CORED

yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4	40.50	1609	15"	(772 cu. ft. PozMix	None
7-5/8	26.40	5690		(126 cu. ft. Reg. Cmt	4134'
				150 ax cement	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
	NONE					NONE	

31. PERFORATION RECORD (Interval, size and number)

NONE

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	NONE

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
						P & A	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-30-64	while drlg		→			100-150bbl/hr	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

Original Signed By:

SIGNED

J. H. WATKINSTITLE **District Office Supervisor**DATE **9-9-64**

*(See Instructions and Spaces for Additional Data on Reverse Side)

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
348 EAST SOUTH TEMPLE
SUITE 301
SALT LAKE CITY, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Tropic USA No. 1

Operator Tenneco Oil Company Address P.O.Box 1714, Phone 247-5494
Durango, Colorado

Contractor H.T.Porter Drilling Company Address _____ Phone _____

Location NW 1/4 NW 1/4 Sec. 15 T. 37 ~~XX~~ R. 2 ~~XX~~ S W Garfield County, Utah.

Water Sands:

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1. 5751	(Timpoweap)*	Drilled w/air	Fresh
2. 5900	(Kaibab)*	Drilled w/air	Fresh
3. 6350	(Toroweap)*	Drilled w/air	Fresh
4. 6470	(Coconino)*	Drilled w/air	Fresh
5. 6826	(Queantoweap)*	Drilled w/air	Fresh

*Total water flow for all zones
est 10-15 BWPH.

(Continued on reverse side if necessary)

Formation Tops:

Timpoweap	5684	Coconino	6442
Kaibab	5845	Organ Rock	6528
Toroweap	6093	Queantoweap	6737

Remarks:

This well was drilled with air, and therefore had a continuous open hole test of all formations encountered. Water flows were penetrated as outlined above. All water flows were fresh.

- NOTE:
- (a) Upon diminishing supply of forms, please inform the Commission.
 - (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See back of form).
 - (c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

File

April 1, 1965

Tenneco Oil Company
P. O. Box 1714
Durango, Colorado

Attention: Mr. J. H. Watkins, District Office Supervisor

Re: Well No. USA Tropic #1
Sec. 15, T. 37 S., R. 2 W.,
Garfield County, Utah

Report of Water Encountered During Drilling
Form OGCC-8-X
Core Data
Formation Tops

Gentlemen:

We are in receipt of your "Well Completion or Recompletion Report and Log" for the above mentioned well. However, upon checking this information, we note that the above information was omitted from this report.

Please submit to this office said information as soon as possible.

Thank you.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KATHY G. WARNER
RECORDS CLERK

kgw

Enclosure - Forms